

# Hollinger Public Blast Report



PORCUPINE GOLD MINES

**Blast Pattern:** 3388\_101  
**Date:** 08-Apr-15  
**Blast Time:** 15:43  
**Blast Sign Activation:** 7:30  
**Website Notification Time:** 8:00

## Blast Conditions

Ceiling Height: 3610m  
Boundary Layer Height: >4000m  
Cloud Cover: 75% Cloudy  
Wind Speed: 5 km/hr  
Wind Direction: E  
Temperature: 4.2 °C

## Noise Levels (L<sub>Aeq</sub>) – Noise Monitoring Instruments Reviewed:

**Noise Alert: Exceedances due to blast siren**

### **Blast Siren Locations:**

- 1: Hollinger Office**
- 2: Shania Twain**
- 3: Extendicare**

	<b>L<sub>Aeq</sub></b>	<b>L<sub>peak</sub> dB</b>
Comfort Inn:	54.1 LAeq	100.2 dB
Edwards:	46.1 LAeq	90.6 dB
Fred:	42.4 LAeq	93.2 dB
Hollinger Office:	53.0 LAeq	101.3 dB
Noah:	59.0 LAeq	103.4 dB
Sandy:	52.5 LAeq	105.9 dB
Water Tower:	52.1 LAeq	102.2 dB
Wilson:	48.5 LAeq	104.1 dB

## Dust Levels (µg/m<sup>3</sup>) – Dust Monitoring Instruments Reviewed:

**Dust Alert: No exceedances recorded.**

	<b>Avg. PM10</b>	<b>Max PM10</b>	<b>Avg. TSP</b>	<b>Max TSP</b>
Claimpost:	8.9	9.8	20.3	21.8
Edwards:	10.5	13.8	14.0	20.6
Hollinger Office:	16.0	30.7	14.9	36.6
Hollinger Park:	16.8	25.7	5.5	5.6
Sandy:	8.1	9.0	9.2	10.7

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## NO<sub>x</sub> Levels (ppb) - NO<sub>x</sub> Monitoring Instruments Reviewed:

**NO<sub>x</sub> Alert: No exceedances recorded**

	Avg. NO <sub>x</sub>	Max NO <sub>x</sub>
Claimpost:	0.6	0.7
Edwards:	1.8	2.3
Hollinger Office:	12.3	33.5
Hollinger Park:	0.0	0.0
Sandy:	3.6	7.9

## Vibration (mm/s) – Vibration Instruments Reviewed:

**Vibration Alert: No exceedances recorded.**

	Trans PPV	Vert PPV	Long PPV
Comfort Inn:	0.2	0.1	0.1
Hollinger Office:	0.0	0.1	0.1
Hollinger West:	0.1	0.1	0.2
Imerys:	0.1	0.1	0.1
Noah:	0.2	0.5	0.2
Moneta Pumping Station:	1.3	1.1	1.3
Sandy:	2.5	1.5	2.8
Water Tower:	0.1	0.1	0.2
Wilson:	0.3	0.3	0.4